FORM PTO-1449  
(REV. 6-89)DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAttorney's Docket No.  
20735-05217Serial No.  
09/887,157

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicant  
Eng-Whatt Toh et al.Filing Date  
June 21, 2001Group Art Unit  
2131

## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TH	A	6,226,748	05/01/01	Bots et al.	713	201	06/12/97
TH	B	6,173,399	01/09/01	Gilbrech	713	153	06/12/97
TH	C	6,119,137	09/12/00	Smith et al.	707	523	01/30/97
TH	D	6,092,200	07/18/00	Muniyappa et al.	713	201	08/01/97
TH	E	6,092,113	07/18/00	Maeshima et al.	709	230	08/28/97
TH	F	6,079,020	06/20/00	Liu	713	201	01/27/98
TH	G	6,061,448	05/09/00	Smith et al.	380	21	04/01/97
TH	H	6,055,575	04/25/00	Paulsen et al.	709	229	01/26/98
TH	I	6,009,173	12/28/99	Sumner	380	21	01/31/97
TH	J	5,956,406	09/21/99	Maldy	380	30	03/20/97
TH	K	5,864,667	01/26/99	Barkan	395	187.01	08/22/97
TH	L	5,812,669	09/22/98	Jenkins et al.	380	25	07/19/95
TH	M	5,802,286	09/01/98	Dere et al.	395	200.5	05/22/95

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
TH	N	WO 98/57465	12/17/98	PCT	H04L	12/46 29/06	N/A	
TH	O	WO 98/57464	12/17/98	PCT	H04L	12/46 29/06	N/A	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TH	P	Ellison, C. et al. Ten Risks of PKI: What You're not Being Told about Public Key Infrastructure. Computer Security Journal, Vol. XVI, No. 1 (2000), pages 1-7.
TH	Q	Introduction to SSL [online]. Netscape Communications Corporation (Last updated 10/09/98) [retrieved on 10/24/2000]. Retrieved from the Internet <URL: <a href="http://developer.netscape.com/docs/manuals/security/sslin/contents.htm">http://developer.netscape.com/docs/manuals/security/sslin/contents.htm</a> . Pages 1-11.
TH	R	Introduction to Public-Key Cryptography [online]. Netscape Communications Corporation [retrieved on 10/24/2000]. Retrieved from the Internet <URL: <a href="http://developer.netscape.com/docs/manuals/security/pkin/contents.htm">http://developer.netscape.com/docs/manuals/security/pkin/contents.htm</a> . Pages 1-19.

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(REV. 6-89)U.S. DEPARTMENT OF COMMERCE  
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Serial No.

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## INFORMATION DISCLOSURE CITATION

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Applicant

Eng-Whatt Toh et al.

Filing Date

June 21, 2001

Group Art Unit

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
7H	S	5,790,790	08/04/98	Smith et al.	395	200.36	10/24/96
7H	T	5,768,271	06/16/98	Seid et al.	370	389	04/12/96
7H	U	5,764,918	06/09/98	Poulter	395	200.66	01/23/95
7H	V	5,671,285	09/23/97	Newman	380	30	12/13/95
7H	W	5,638,446	06/10/97	Rubin	380	25	08/28/95
7H	X	5,544,152	08/06/96	Obermanns et al.	370	16	09/28/95
7H	Y	5,436,972	07/25/95	Fischer	380	25	10/04/93
7H	Z	5,432,785	07/11/95	Ahmed et al.	370	60.1	02/07/94
7H	AA	4,754,428	06/28/88	Schultz et al.	364	900	04/15/85
7H	BB	4,713,780	12/15/87	Schultz et al.	364	514	04/15/85

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

Thomas R.

DATE CONSIDERED

8/17/05

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PTO-1449

REV: 02/01

U.S. DEPT. OF COMMERCE  
PATENT & TRADEMARK OFFICE

**FORM PTO-1449**  
**(REV. 6-89)**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney's Docket No.  
20735-05217

Serial No. 09/887,157

Applicant **Eng-Whatt Toh, et al.**

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Group Art Unit 2131

## U.S. PATENT DOCUMENTS

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[illegible]

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

74	A	Lowry, John, "Location-Independent Information Object Security", Proceedings of the Symposium on Network and Distributed System Security, 1995 IEEE, pages 54-62, XP-002155116

EXAMINER Thomas H.

DATE CONSIDERED 8/17/05

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PTO-1449  
REV: 02/01

20735/05217/DOCS/1264288.1



Sheet 1 of 5

<b>FORM PTO-1449</b> (REV. 6-89) <b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)	<b>U.S. DEPARTMENT OF COMMERCE</b> Patent and Trademark Office	<b>Attorney's Docket No.</b> 20735-05217	<b>Serial No.</b> 09/887,157
		<b>Applicant</b> Eng-Whatt Toh, et al.	
	<b>Filing Date</b> June 21, 2001	<b>Group Art Unit</b> 2131	

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
TH	A	4,625,076	11/25/86	Okamoto et al.	178	22.11	
TH	B	4,816,655	3/28/89	Musyck et al.	235	380	
TH	C	4,868,877	9/19/89	Fischer	380	30	
TH	D	5,005,200	04/02/91	Fischer	380	30	
TH	E	5,018,196	05/21/91	Takaragi et al.	380	30	
TH	F	5,138,653	8/11/92	Le Clercq	379	96	
TH	G	5,157,726	10/20/92	Merkle et al.	380	23	
TH	H	5,210,869	5/11/93	Williams	395	600	
TH	I	5,241,599	8/31/93	Bellovin et al.	380	21	
TH	J	5,261,002	11/9/93	Perlman et al.	380	30	
TH	K	5,283,887	2/1/94	Zachery	395	500	

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**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
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<b>EXAMINER</b> Thomas H	<b>DATE CONSIDERED</b> 8/17/05
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	<b>Applicant</b> Eng-Whatt Toh, et al.		
	<b>Filing Date</b> June 21, 2001	<b>Group Art Unit</b> 2131	

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TH	L	5,293,250	3/8/94	Okumura et al.	358	402	RECEIVED JUN 19 2002 Technology Center 2130
TH	M	5,315,635	5/24/94	Kane et al.	379	57	
TH	N	5,388,158	02/07/95	Berson	380	23	
TH	O	5,396,537	3/7/95	Schwendeman	379	57	
TH	P	5,398,285	3/14/95	Borgelt et al.	380	30	
TH	Q	5,424,724	6/13/95	Williams et al.	340	825.05	
TH	R	5,432,852	07/11/95	Leighton et al.	380	30	
TH	S	5,557,346	9/17/96	Lipner et al.	380	21	
TH	T	5,557,765	9/17/96	Lipner et al.	380	21	
TH	U	5,581,615	12/3/96	Stern	380	25	
TH	V	5,623,653	04/22/97	Matsuno et al.	395	609	

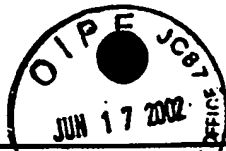
**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


<b>EXAMINER</b> Thomas Lee	<b>DATE CONSIDERED</b> 8/17/05
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		<b>Applicant</b> Eng-Whatt Toh, et al.	
		<b>Filing Date</b> June 21, 2001	<b>Group Art Unit</b> 2131

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
74	W	5,633,929	5/27/97	Kaliski, Jr.	380	25	RECEIVED JUN 19 2002 Technology Center 2100
74	X	5,689,565	11/18/97	Spies et al.	380	25	
74	Y	5,689,567	11/18/97	Miyauchi	380	25	
74	Z	5,706,452	01/06/98	Ivanov	395	331	
74	AA	5,721,777	2/24/98	Blaze	380	4	
74	BB	5,734,651	03/31/98	Blakeley et al.	370	392	
74	CC	5,745,573	4/28/98	Lipner et al.	380	21	
74	DD	5,751,813	5/12/98	Dorenbos	380	49	
74	EE	5,751,814	5/12/98	Kafri	380	49	
74	FF	5,767,847	06/16/98	Mori et al.	345	329	
74	GG	5,799,086	8/25/98	Sudia	380	23	
74	HH	5,825,865	10/20/98	Oberlander et al.	395	600	
74	II	5,832,218	11/3/98	Gibbs et al.	395	200.33	
74	JJ	5,841,865	11/24/98	Sudia	380	21	

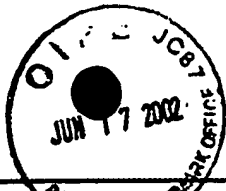
**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)


<b>EXAMINER</b> <i>Thomas G</i>	<b>DATE CONSIDERED</b> 8/17/05
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	Applicant Eng-Whatt Toh, et al.		
	Filing Date June 21, 2001	Group Art Unit 2131	

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
74	KK	5,845,074	12/1/98	Kobata	395	200.49	<b>RECEIVED</b> JUN 19 2002 Technology Center 2100
74	LL	5,848,248	12/8/98	Kawasaki et al.	395	200.48	
74	MM	5,850,451	12/15/98	Sudia	380	49	
74	NN	5,580,519	12/15/98	Vazana	395	200.28	
74	OO	5,872,848	02/16/99	Romney et al.	380	25	
74	PP	5,878,398	03/02/99	Tokuda et al.	705	8	
74	QQ	5,898,156	04/27/99	Wilfong	235	380	
74	RR	5,912,974	06/15/99	Holloway et al.	380	51	
74	SS	5,915,024	06/22/99	Kitaori et al.	380	25	
74	TT	5,948,103	09/07/99	Fukuzaki	713	200	
74	UU	6,038,541	03/14/00	Tokuda et al.	705	8	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER <i>Thomas Ho</i>	DATE CONSIDERED <i>8/17/05</i>
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**FORM PTO-1449**  
**(REV. 6-89)**

U.S. DEPARTMENT OF COMMERCE  
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Attorney's Docket No.  
20735-05217

Serial No. 09/887,157

## INFORMATION DISCLOSURE CITATION

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Applicant

Eng-Whatt Toh, et al.

Filing Date June 21, 2001

**Group Art Unit** **2131**

## U.S. PATENT DOCUMENTS

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2131

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**FOREIGN PATENT DOCUMENTS**

[illegible]

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74	A	"What's a VPN Anyway? A Virtual Private Networking Primer", VPN Technologies, pp. 1-17

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application No.	09/887,157
		Filing Date	June 21, 2001
		First Named Inventor	Eng-Whatt Toh
		Art Unit	2132
		Examiner Name	Gilberto Barron Jr.
		Attorney Docket Number	20735-05217
Sheet 1 of 1			

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number - Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
TH	1	US-6,064,878 A	05-16-2000	Denker et al.
TH	2	US-6,035,104 A	03-07-2000	Zahariev
TH	3	US-5,812,671 A	09-22-1998	Ross, Jr.
TH	4	US-5,642,420 A	06-24-1997	Kuroda et al.
		US-		
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
TH	5	WO 98 58332 A1	12-23-1998	Telefonaktiebolaget LM Ericsson	
TH	6	WO 97 41661 A2/A3	11-06-1997	Motorola Inc.	

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>6</sup>
TH	7	Herfert, M., "Security-Enhanced Mailing Lists" <u>IEEE Network</u> , IEEE Inc., New York, US, Vol. 11, No. 3, May 1, 1997, pages 30-33.			

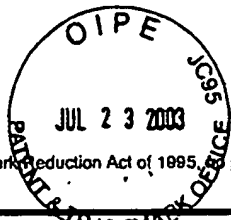
Examiner Signature	<i>Thomas</i>	Date Considered	6/17/05
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

20735/05217/DOCS/1299631.1



<b>Substitute for form 1449</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application No.	09/887,157
				Filing Date	June 21, 2001
				First Named Inventor	Eng-Whatt Toh
				Art Unit	2132
				Examiner Name	Gilberto Barron, Jr.
Sheet	1	of	1	Attorney Docket Number	20735-05217

U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document No. Number - Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
TH	1	US-5,850,519	12-15-1998	Vazana
		US-		
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> (if known) Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS				
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